

Claim 1 (original): Method for automatically setting the gain of an interrogator receiver within a non-contacting identification system consisting of the interrogator and several transponders, according to which method, within a receiver amplifier of the interrogator, a gain lowering is activated each time when an amplified input signal exceeds an attack threshold voltage level (Vatt), and a gain rising is activated after the gain lowering has ended, characterized in that the amplifier responds with the gain rising activated after the lapse of a waiting period which started when the instantaneous value of the amplified signal for the last time after the end of the gain lowering exceeded a waiting threshold voltage level (Vw).

Claim 2 (original): Method as recited in claim 1, characterized in that the rate of the gain rising is of the same order of magnitude as the rate of the gain lowering.

Claim 3 (currently amended): Method as recited in claim 1 ~~or 2~~, characterized in that the length of the waiting period equals a double length of the longest time interval between the adjacent pulses in a transponder data wave packet.